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WHAT IS CLAIMED IS:

1. An image sensing apparatus comprising:

a sensor region including a plurality of pixels for detecting an object image;

a read-out circuit adapted to sequentially read out signals from the plurality of pixels into a common output portion; and

a power supply unit adapted to supply electric powers to said sensor region and to said read-out circuit independently.

2. The image sensing apparatus according to Claim 1, wherein said power supply unit includes a first power circuit adapted to supply the power to said sensor region and a second power circuit adapted to supply the power to said read-out circuit.

3. The image sensing apparatus according to Claim 1, wherein said power supply unit includes a first switch adapted to supply the power to said sensor region and a second switch adapted to supply the power to said read-out circuit.

4. The image sensing apparatus according to Claim 1, further comprising a control circuit adapted to control said power supply unit so as to supply the power to said sensor region at a first timing and

supply the power to said read-out circuit at a second time after said first timing.

5. The image sensing apparatus according to Claim 4, wherein said control circuit controls said power supply unit so as to supply the power to said sensor region, based on a first operation timing of a radiation generator, and supply the power to said read-out circuit, based on a second operation timing after said first operation timing of said radiation generator.

6. The image sensing apparatus according to Claim 4, wherein said control circuit controls said power supply unit so as to supply the power to said sensor region, based on a ready-request signal for bringing said radiation generator into a state ready for radiation exposure, and supply the power to said read-out circuit, based on a request for exposure to said radiation generator.

7. The image sensing apparatus according to Claim 4, wherein said control circuit controls said power supply unit so as to supply the power to said sensor region, based on a ready-request signal for bringing said radiation generator into a state ready for radiation exposure, and supply the power to said read-

out circuit, based on completion of radiation exposure of said radiation generator.

8. The image sensing apparatus according to Claim 5, wherein said control circuit performs such control that no power is supplied to said sensor and to said read-out circuit, after completion of read-out of signals from said read-out circuit.

9. The image sensing apparatus according to Claim 5, wherein said control circuit performs selective control of a first state in which no power is supplied to said sensor and to said read-out circuit and into a second state in which no power is supplied to said read-out circuit, after completion of read-out of signals from said read-out circuit.

10. The image sensing apparatus according to Claim 1, wherein said read-out circuit includes amplifiers for amplifying the respective signals from said plurality of pixels.

11. The image sensing apparatus according to Claim 1, wherein the power is supplied to part of said sensor and read-out circuit before radiation exposure and the power is supplied to the whole of said sensor and read-out circuit after completion of radiation

exposure.

12. An image sensing apparatus comprising:

an image sensing section including a sensor region including a plurality of pixels for detecting an object image, and a read-out circuit adapted to sequentially read out signals from the plurality of pixels into a common output portion;

a power supply unit adapted to supply a power to said image sensing section; and

a control circuit adapted to control said power supply unit so as to supply the power to a first region included in said image sensing section at a first timing, and supply the power to a second region including the first region and larger than the first region at a second timing after the first timing.

13. An apparatus according to claim 12, wherein the first timing produces radiation exposure and the second timing follows completion of the radiation exposure.

14. A method of controlling an image sensing apparatus comprising a sensor region including a plurality of photoelectric conversion elements for detecting an object image, and a read-out circuit for sequentially reading out signals from the plurality of

photoelectric conversion elements into a common output portion, said method comprising:

a step of supplying electric powers to said sensor region and to said read-out circuit independently.

15. A method of controlling an image sensing apparatus comprising an image sensing section including a sensor region including a plurality of pixels for detecting an object image, and a read-out circuit adapted to sequentially read out signals from said plurality of pixels into a common output portion, and a power supply unit adapted to supply a power to said image sensing section, said method comprising:

a control step of controlling said power supply unit so as to supply the power to a first region included in said image sensing section at a first timing, and supply the power to a second region including the first region and larger than the first region at a second timing after the first timing.